

**SYSTEM AND METHOD FOR ADAPTIVE PERFORMANCE
OPTIMIZATION OF DATA PROCESSING SYSTEMS**

David K. Umberger
2604 Hayden Way
Boise, ID 83705
Citizenship: U.S.A.

Jonathan E. Condel
145 West Idaho Street, Apt. #10
Boise, ID 83702
Citizenship: U.S.A.

Brian L. Patterson
12981 West Elmspring Drive
Boise, ID 83713
Citizenship: U.S.A.

RELATED APPLICATIONS

The present application is related to co-pending and commonly assigned U.S. Patent
~~Application Serial No. 09/534,921~~, ^{6,647,514} entitled "IMPROVING HOST I/O PERFORMANCE
AND AVAILABILITY OF A STORAGE ARRAY DURING REBUILD BY
PRIORITIZING I/O REQUESTS," filed March 23, 2000; U.S. Application Serial No.
09/680,542, entitled "METHOD FOR TIMELY DATA MIGRATION IN A REDUNDANT
HIERARCHIC DATA STORAGE SYSTEM", filed October 4, 2000; ^{now abandoned} U.S. Patent 5,392,244,
entitled "MEMORY SYSTEMS WITH DATA STORAGE REDUNDANCY
MANAGEMENT," issued February 21, 1995; and U.S. Patent 5,542,065, entitled
"METHODS FOR USING NON-CONTIGUOUSLY RESERVED STORAGE SPACE FOR
DATA MIGRATION IN A REDUNDANT HIERARCHIC DATA STORAGE SYSTEM,"
issued July 30, 1996, the disclosures of which are hereby incorporated herein by reference.

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TECHNICAL FIELD

The present invention relates in general to allocating tasks to a plurality of processing components and in particular to allocating processing power in a data storage system.